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<td>1. Real Time Validation of Proposed Control Scheme of VSI for Integrating Three-Phase Loads/Grid to DC Microgrid</td>
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<td>A Real-time Smart Charging Station for EVs Designed for V2G Scenario and its Coordination with Renewable Energy Sources</td>
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<td>Single Phase Z-Source Inverter for Photovoltaic System</td>
<td>7th IEEE International Conference on Power Electronics, 17-19 Nov., 2016, Thapar University, Patiala</td>
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<td>Unit Commitment Scheduling by Employing Artificial Neural Network Based Load Forecasting</td>
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<td>60</td>
<td>Z-Source Inverter based DC-DC Converter using SPWM Technique for Fuel Cell Application</td>
<td>IEEE First International Conference on Power Electronics, Intelligent Control and Energy Systems (IEEE ICPEICES 2016) from July 04 – 06, 2016 at Delhi Technological University, Delhi, India</td>
<td>978-1-4673-8587-9</td>
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<td>Effect of previously install circuit breaker due to the upcoming new generating station</td>
<td>2016 IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES)</td>
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<td>Analysis of Effectiveness of SSSC in Transmission Network using PI Controlled Technique</td>
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<td>Characterization of breast tumors using selected laws' mask texture features</td>
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<td>Computation of Symmetrical Sequence Components in Phasor Measurement Unit</td>
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<td>Diagnostic tool to predict obstructive lung diseases using iris recognition system</td>
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<td>Effect of multiple membranes on capacitive micromachined ultrasonic transducers</td>
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18. **In-vivo quantitative assessment of wounds healing using optical coherence tomography**

| IEEE Wrap 2017 | IEEE Xplore | International Conference on Recent Development in Engineering Science, Humanities and Management (ESHM-17) 3rd June 2017, NITTR, Chandigarh, India | 2017 | NA | TU, Patiala |

19. **Load Frequency Control of Hybrid Power System Using Intelligent Controllers**

| ESHM | International Conference on Recent Development in Engineering Science, Humanities and Management (ESHM-17) 3rd June 2017, NITTR, Chandigarh, India | International Conference on Recent Development in Engineering Science, Humanities and Management (ESHM-17) 3rd June 2017, NITTR, Chandigarh, India | 2017 | NA | TIET, Patiala |

20. **Pragmatics of capacitive micromachined ultrasonic transducer**


21. **Quantitative detection of cancerous tissue using SS-OCT**


22. **Quantitative detection of morphological alterations in red blood cell during storage using PS-FF-OCT system**

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<td>Topographical study of Tungsten Oxide Thin Films annealed at different Temperatures</td>
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<td>ICECDS-2017</td>
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<th>3rd IFAC Conference on Advances in Control and Optimization of Dynamical Systems</th>
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<td>Non-ideal modelling and IMC based PID controller design of PWM DC-DC buck converter</td>
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<td>10.1016/j.ifacol.2018.06.168</td>
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<td>Operation of DC drive by solar panel using maximum power point tracking technique</td>
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<td>Quantification of breast cancerous tissue using high-resolution full-field optical coherence tomography</td>
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<td>Investigation of Water drop on SIR for High Voltage Transmission line using FEM</td>
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<td>Design and development of integrated insole system for gait analysis</td>
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<td>Frequency Regulation in PV integrated Power System using MFO tuned PIDF controller</td>
<td>2018 IEEE 8th Power India International Conference (PIICON)</td>
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<td>Considering Various Equivalent Circuits for Solar PV Array Modelling</td>
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<td>A hybrid filtering based retinal blood vessel segmentation algorithm</td>
<td>1st International Symposium on Computer Vision and Machine Intelligence in Medical Image Analysis (ISCMM-2019)</td>
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<td>Gas sensing properties of tungsten oxide, tin oxide and tin-doped tungsten oxide thin films for acetone gas detection</td>
<td>International Conference on Advanced Materials (ICAM-2019), Jamia Millia Islamia (Central University), New Delhi</td>
<td>March 6-7, 2019</td>
<td>Jamia Millia Islamia (Central University), New Delhi</td>
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<td>Performance of acoustic sounder and analysis of various features of Atmospheric Boundary Layer height during</td>
<td>URSI Asia-Pacific Radio Science Conference (AP-RASC 2019), New Delhi</td>
<td>09 – 1 March, 2019</td>
<td>New Delhi</td>
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<td>Extreme weather conditions</td>
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<td>Energy efficiency evaluation in commercial and residential buildings</td>
<td>8th Int. conference on power system</td>
<td>Dec 20-22 2019</td>
<td>NIT Jaipur</td>
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<td>Forward clearing of energy market for wind incorporated power system</td>
<td>8th International Conference on Computation of Power, Energy, Information and Communication, 2019</td>
<td>March 27-28 2019</td>
<td>Chennai, Tamil Nadu</td>
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<td>Day-ahead market clearing of energy and reserve for wind integrated deregulated system</td>
<td>9th International Conference of Power and Energy Systems</td>
<td>December 10-12, 2019</td>
<td>Murdoch University, Perth, Australia</td>
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